

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	((("5959808") or ("5936805") or ("6611399")).PN.	USPAT	OR	OFF	2005/02/25 10:45
S3	42	(voice-coil-motor or (voice adj coil adj motor) or vcm) and (micro-actuator or microactuator or (micro adj actuator)) and ((dual-stage or (dual adj stage)) near5 control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:26
S4	494	((voice-coil-motor or (voice adj coil adj motor) or vcm) near5 (gain or frequenc\$3 or stabil\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 13:51
S5	13	((voice-coil-motor or (voice adj coil adj motor) or vcm) near5 (gain or frequenc\$3 or stabil\$5)) and (micro-actuator or microactuator or (micro adj actuator)) and ((dual-stage or (dual adj stage)) near5 control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 10:59
S6	0	((voice-coil-motor or (voice adj coil adj motor) or vcm) near5 (gain or frequenc\$3 or stabil\$5)) and (micro-actuator or microactuator or (micro adj actuator)) and ((dual-stage or (dual adj stage)) near5 control\$4) and ((single-stage or (single adj stage)) near5 control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 11:00
S7	4	((voice-coil-motor or (voice adj coil adj motor) or vcm)) and (micro-actuator or microactuator or (micro adj actuator)) and ((dual-stage or (dual adj stage)) near5 control\$4) and ((single-stage or (single adj stage)) near5 control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:23

3/1/05


S8	2227636	micro-actuator\$3 microactuat\$3 milliactuat\$3 milli-actuat\$3 microposition\$3 micro-position\$3 subactuat\$3 sub-actuat\$3 ((actuat\$3 position\$3 driver\$1 motor\$1 (displace\$4 adj element)) near3 (auxiliary second\$4 fin\$2 micro milli sub dual two "2" multi multiple plural piezo piezoelectric\$4 pzt bimorph piggyback\$3 (piggy adj back\$3) electrostatic\$4 (electro adj static) electro-static ((fast high wide large) near1 (resolution response bandwidth\$1 (band adj width\$1))))).	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 13:47
S9	1167420	((dis\$1 hard) near2 (drive apparatus)) HDA HDD DASD RAID platter (magnetic storage drive\$1 assembly) near2 (disk\$5 disc\$1 media medium device) (storage near2 drive\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:25
S10	252666	S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:36
S11	14782	(voice-coil-motor or (voice adj coil adj motor) or vcm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:26
S12	5921	S8 and S9 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:26
S13	20589	(fail\$5 or defect or error or malfunction\$3) near10 S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:38
S14	603	S9 and S11 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:37

S15	8425	((fail\$5 or defect or error or malfunction\$3) near10 S8) same control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:51
S16	336	S9 and S11 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:43
S17	6	S9 and S11 and S15 and (crash\$3 near4 stop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:44
S18	301	S9 and S11 and S15 and servo\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:51
S19	3022	((fail\$5 or malfunction\$3) near10 S8) same control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/24 12:51
S20	2	"6788484".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 09:29
S21	2227636	micro-actuator\$3 microactuat\$3 milliactuat\$3 milli-actuat\$3 microposition\$3 micro-position\$3 subactuat\$3 sub-actuat\$3 (actuat\$3 position\$3 driver\$1 motor\$1 (displace\$4 adj element)) near3 (auxiliary second\$4 fin\$2 micro milli sub dual two "2" multi multiple plural piezo piezoelectric\$4 pzt bimorph piggyback\$3 (piggy adj back\$3) electrostatic\$4 (electro adj static) electro-static ((fast high wide large) near1 (resolution response bandwidth\$1 (band adj width\$1))))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 09:44

S22	1167420	((dis\$1 hard) near2 (drive apparatus)) HDA HDD DASD RAID platter (magnetic storage drive\$1 assembly) near2 (disk\$5 disc\$1 media medium device) (storage near2 drive\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 09:44
S23	14782	(voice-coil-motor or (voice adj coil adj motor) or vcm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 09:44
S24	3022	((fail\$5 or malfunction\$3) near10 S21) same control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 10:45
S25	14	S22 and S23 and S24 and servo\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 09:44
S26	187	360/78.05.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 10:45
S27	6836	((fail\$5 or malfunction\$3) near10 S21)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 10:47
S28	3	S26 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 10:47
S29	6	("4963806" "5090001" "5452275" "5920441" "6088187" "6483659").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 11:53
S30	738	(single-stage or (single adj stage)) and (dual-stage or (dual adj stage))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/25 11:54

S31	2227635	(switch\$3 or chang\$3 or interchang\$3 or substitut\$3) same micro-actuator\$3 microactuat\$3 milliactuat\$3 milli-actuat\$3 microposition\$3 micro-position\$3 subactuat\$3 sub-actuat\$3 ((actuat\$3 position\$3 driver\$1 motor\$1 (displace\$4 adj element)) near3 (auxiliary second\$4 fin\$2 micro milli sub dual two "2" multi multiple plural piezo piezoelectric\$4 pzt bimorph piggyback\$3 (piggy adj back\$3) electrostatic\$4 (electro adj static) electro-static (((fast high wide large) near1 (resolution response bandwidth\$1 (band adj width\$1))))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 13:57
S32	2227635	(switch\$3 or chang\$3 or interchang\$3 or substitut\$3) near10 micro-actuator\$3 microactuat\$3 milliactuat\$3 milli-actuat\$3 microposition\$3 micro-position\$3 subactuat\$3 sub-actuat\$3 ((actuat\$3 position\$3 driver\$1 motor\$1 (displace\$4 adj element)) near3 (auxiliary second\$4 fin\$2 micro milli sub dual two "2" multi multiple plural piezo piezoelectric\$4 pzt bimorph piggyback\$3 (piggy adj back\$3) electrostatic\$4 (electro adj static) electro-static (((fast high wide large) near1 (resolution response bandwidth\$1 (band adj width\$1))))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 13:58
S33	125763	(switch\$3 or chang\$3 or interchang\$3 or substitut\$3) near10 micro-actuator\$3 microactuat\$3 milliactuat\$3 milli-actuat\$3 microposition\$3 micro-position\$3 subactuat\$3 sub-actuat\$3 ((actuat\$3 position\$3 driver\$1 motor\$1 (displace\$4 adj element)) near3 (auxiliary second\$4 fin\$2 micro milli sub dual two "2" multi multiple plural piezo piezoelectric\$4 pzt bimorph piggyback\$3 (piggy adj back\$3) electrostatic\$4 (electro adj static) electro-static (((fast high wide large) near1 (resolution response bandwidth\$1 (band adj width\$1)))))) near10 (single-stage or (single adj stage) or single or primary or main)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:07

S34	187	360/78.05.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:09
S35	173	S31 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:06
S36	173	S32 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:06
S37	102	S33 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:06
S38	11673	(switch\$3 or chang\$3 or interchang\$3 or substitut\$3) near10 micro-actuator\$3 microactuat\$3 milliactuat\$3 milli-actuat\$3 microposition\$3 micro-position\$3 subactuat\$3 sub-actuat\$3 (actuat\$3 position\$3 driver\$1 motor\$1 (displace\$4 adj element)) near3 (auxiliary second\$4 fin\$2 micro milli sub dual two "2" multi multiple plural piezo piezoelectric\$4 pzt bimorph piggyback\$3 (piggy adj back\$3) electrostatic\$4 (electro adj static) electro-static ((fast high wide large) near1 (resolution response bandwidth\$1 (band adj width\$1)))) near10 (single-stage or (single adj stage) or single or primary or main) same (fail\$5 or break\$5 or malfunction\$3 or crack\$3 or crash\$3 or bust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:24
S39	69	S34 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 14:16

S40	1503	(switch\$3 or chang\$3 or interchang\$3 or substitut\$3) near10 (micro-actuator\$3 microactuat\$3 milliactuat\$3 milli-actuat\$3 microposition\$3 micro-position\$3 subactuat\$3 sub-actuat\$3 ((actuat\$3 position\$3 driver\$1 motor\$1 (displace\$4 adj element)) near3 (auxiliary second\$4 fin\$2 micro milli sub dual two "2" multi multiple plural piezo piezoelectric\$4 pzt bimorph piggyback\$3 (piggy adj back\$3) electrostatic\$4 (electro adj static) electro-static ((fast high wide large) near1 (resolution response bandwidth\$1 (band adj width\$1)))))) near10 (single-stage or (single adj stage) or single or primary or main) same (fail\$5 or break\$5 or malfunction\$3 or crack\$3 or crash\$3 or bust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:14
S41	0	S34 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:09
S42	918	360/61.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:09
S43	0	S40 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:09
S44	268	360/78.09.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:10
S45	0	S40 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/25 15:10

S46	2295	360/75.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 13:51
S47	1341	360/69.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 13:51
S48	1503	(switch\$3 or chang\$3 or interchang\$3 or substitut\$3) near10 (micro-actuator\$3 microactuat\$3 milliactuat\$3 milli-actuat\$3 microposition\$3 micro-position\$3 subactuat\$3 sub-actuat\$3 ((actuat\$3 position\$3 driver\$1 motor\$1 (displace\$4 adj element)) near3 (auxiliary second\$4 fin\$2 micro milli sub dual two "2" multi multiple plural piezo piezoelectric\$4 pzt bimorph piggyback\$3 (piggy adj back\$3) electrostatic\$4 (electro adj static) electro-static ((fast high wide large) near1 (resolution response bandwidth\$1 (band adj width\$1)))))) near10 (single-stage or (single adj stage) or single or primary or main) same (fail\$5 or break\$5 or malfunction\$3 or crack\$3 or crash\$3 or bust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 13:52
S49	2230630	micro-actuator\$3 microactuat\$3 milliactuat\$3 milli-actuat\$3 microposition\$3 micro-position\$3 subactuat\$3 sub-actuat\$3 ((actuat\$3 position\$3 driver\$1 motor\$1 (displace\$4 adj element)) near3 (auxiliary second\$4 fin\$2 micro milli sub dual two "2" multi multiple plural piezo piezoelectric\$4 pzt bimorph piggyback\$3 (piggy adj back\$3) electrostatic\$4 (electro adj static) electro-static ((fast high wide large) near1 (resolution response bandwidth\$1 (band adj width\$1))))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 13:59
S50	0	S46 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 13:59

S51	1321	S46 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 13:59
S52	661	S47 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 13:59
S53	1	S47 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/01 13:59